

111.6 - Refractories (powder form)

Technical Contact: robert.vocke@nist.gov

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

(mass fraction, in %)															
SRM	Description	Unit of Issue	Al ₂ O ₃	CaO	Fe ₂ O ₃ **	Li ₂ O	MgO	MnO	P ₂ O ₅	K ₂ O	SiO ₂	Na ₂ O	SrO	TiO ₂	Loss on Ignition
76a	Burnt Refractory (Al ₂ O ₃ -40%)	75 g	38.7	0.22	1.60	0.042	0.52		0.120	1.33	54.9	0.07	0.037	2.03	(0.34)
77a	Burnt Refractory (Al ₂ O ₃ -60%)	75 g	60.2	0.05	1.00	0.025	0.38		0.092	0.090	35.0	0.037	0.009	2.66	(0.22)
78a	Burnt Refractory (Al ₂ O ₃ -70%)	75 g	71.7	0.11	1.2	0.12	0.70		1.3	1.22	19.4	0.078	0.25	3.22	(0.42)
154c***	Titanium Dioxide	90 g												99.591	
198	Silica Brick	45 g	0.16	2.71	0.66	0.001	0.07	0.008	0.022	0.017		0.012		0.02	0.21
199	Silica Brick	45 g	0.48	2.41	0.74	0.002	0.13	0.007	0.015	0.094		0.015		0.06	0.17

... *** Information values are provided for additional 71 elements

Values in parentheses are not certified and are given for information only.

** Refer to certificate to ascertain if the value reported represents total iron or species-specific iron.

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